

*Applicants: Yi Li, et al.*  
*Serial No. 09/916,780*

### LISTING OF THE CLAIMS

Claims 1-49 (canceled).

50. (currently amended) A method for transient conveyance of a trait of interest to a plant, comprising:
- a) constructing a cassette comprising in the 5' to 3' direction a first FLP recognition sequence ~~FRT excision site~~, a first Cre recognition sequence ~~Lox P excision site~~, a first pollen specific inducible promoter operably linked to a FLP recombinase coding sequence, a second pollen specific inducible promoter operably linked to a Cre recombinase coding sequence, each ~~FLP and Cre coding sequence operably linked to a promoter~~, a transgene that expresses a protein conferring a plant trait of interest, a second ~~Lox P excision site~~ FLP recognition sequence and a second Cre recognition sequence ~~FRT excision site~~;
  - b) introducing the cassette of step a) into the plant genome; and
  - c) activating the first and second inducible pollen specific promoters ~~promoter~~ to induce expression of FLP and Cre,
- wherein the expressed FLP and Cre interact with the first and second FLP and Cre recognition sequences ~~FRT and Lox P excision sites~~ causing excision of the transgene to provide transient conveyance of the trait of interest.
51. (currently amended) The method of claim 49 or 50 wherein the cassette further comprises a marker gene DNA of interest located between the transgene excision sites ~~and the second Cre recognition sequence~~.
52. (currently amended) The method of claim 51 wherein the marker gene DNA of interest is kanamycin resistance gene.

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53. (currently amended) The method of claim 49 ~~or~~ 50 wherein the trait of interest is selected from the group consisting of growth habit, color, maturity, yield, mortality, sterility, disease resistance, metabolite production, and appearance.
54. (currently amended) The method of claim 49 ~~or~~ 50 wherein the trait of interest is a phenotypic plant trait.
55. (previously presented) The method of claim 54 wherein the phenotypic plant trait is color, appearance or growth habit.
56. (currently amended) The method of claim 49 ~~or~~ 50 wherein the inducible promoter is ~~an organ-specific, developmental-stage-specific or inducible promoter~~ a pollen specific promoter selected from the group consisting of AG, AGL5, Bcp1 and LAT52, ~~PLENA, SIM, avrRp2 and ale.~~
57. (currently amended) The method of claim 49 ~~or~~ 50 wherein the cassette further comprises a DNA encoding a transcription factor ~~specific~~ that specifically activates ~~for an externally-activated~~ the inducible promoter operably linked to FLP when the promoter is externally activated.
58. (currently amended) The method of claim 49 ~~or~~ 50 wherein the cassette further comprises a DNA encoding a transcription factor ~~specific~~ that specifically activates ~~for an externally-activated~~ the inducible promoter operably linked to Cre when the promoter is externally activated.
59. (currently amended) The method of claim 49 ~~or~~ 50 wherein the cassette further comprises a DNA encoding a transcription factor ~~specific~~ that specifically activates ~~for an externally-activated~~ the inducible promoter operably linked to FLP and the inducible promoter operably linked to Cre when the promoters are externally activated

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60-62. (canceled)